

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	970	348/373.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 15:19
L2	677	348/345.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:04
L3	571	348/340.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:28
L4	6205	(substrate or circuit adj board) with (lens or (lens adj (support or mount or barrel))) with (plate or washer or separat\$4 or adapter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:05
L5	2483	L4 and (@rlad<"19990903" or @ad<"19990903")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:05
L6	64	L5 and (electronic or digital) near2 camera	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:05
L7	2	09/732925	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:28
L8	894	348/335.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/02 13:32
L9	919	348/294.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/02 13:32

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L10	886	438/121.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:32
L11	420	348/374.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/02 13:32
L12	42	((solid near4 state near4 (imag\$4 near4 (device or apparatus or pick\$4-up or captur\$4 or sens\$4 or detect\$4))) or imager or ccd or sensor) and @ad<"19990903" and metal\$4 near1 (plate or spacer or washer or reinforc\$5 or strenght\$4) with (strong\$4 or strenght or reinforc\$4 or protect\$4) with (board or substrate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:35
L13	529	lens near4 barrel with (washer or plate) and substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:39
L14	295	348/371.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:39
L15	339	348/370.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:40
L16	573	348/340.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 16:24
L17	988	257/730.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:44

EAST Search History

L18	741	257/684.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:44
L19	1112	257/719.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:44
L20	300	257/708.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:44
L21	179	257/709.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:44
L22	199	257/711.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:44
L23	2045	257/700.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:45
L24	789	438/121.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:45
L25	295	359/809.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:45
L26	177	600/159.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:45
L27	113	solid near3 state near3 device with lens with barrel	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/02 14:45

EAST Search History

L28	161	lens near3 barrel with mov\$3 and barrel with substrate and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT	OR	ON	2008/02/02 14:49
L29	82	flip\$4chip near4 sensor and image	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/02 14:50
L30	107	flip\$4chip near4 sensor and image	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 14:51
L31	381	((kazuhiko with hoshino) or (hirofumi with sumi) or (kazuya with yonemoto)).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 14:54
L32	7	("4418284" "4523102" "5138145" "5867368" "6172361" "6266197" "6342406").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/02 14:56
L33	250	camera and ((lens near3 (mount or tructure or barrel)) or lens) with (washer or plate) with (substrate) and (@rlad<"19990903" or @ad<"19990903")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 14:59
L34	250	camera and ((lens near3 (mount or tructure or barrel)) or lens) with (washer or plate) with (substrate) and (@rlad<"19990903" or @ad<"19990903")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 14:59
L35	250	L34 and (@rlad<"19990903" or @ad<"19990903")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 14:59
L36	11106	1 2 3 8 9 10 11 14 15 16 17 18 19 20 21 22 23 24 25 26	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 15:20

EAST Search History

L37	663	36 and barrel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 15:29
L38	1192	36 and (board or substrate) with plate	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 15:29
L39	78	36 and (board or substrate) with plate with (imager or ccd or sensor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 15:29
L41	0	((sens\$3 or photo\$1detect\$4 or ccd or imager or ((imag\$3 or light) near2 (receiv\$3 or device or apparatus or system or captur\$4 or tak\$3 or pick\$1up)))) same barrel same (lens or optic\$3) same (plate or washer or separator or spacer) same (hole or trthough\$1hole) same (hold\$3 or mount\$4) same (substrate or board or pcb or fpcb or chip) same filter).clm.	US-PGPUB; USPAT	OR	ON	2008/02/02 15:40
L42	0	((sens\$3 or photo\$1detect\$4 or ccd or imager or ((imag\$3 or light) with (receiv\$3 or device or apparatus or system or captur\$4 or tak\$3 or pick\$1up)))) same barrel same (lens or optic\$3) same (plate or washer or separator or spacer) same (hole or trthough\$1hole) same (hold\$3 or mount\$4) same (substrate or board or pcb or fpcb or chip) same filter).clm.	US-PGPUB; USPAT	OR	ON	2008/02/02 15:40
L43	3	((sens\$3 or photo\$1detect\$4 or ccd or imager or ((imag\$3 or light) with (receiv\$3 or device or apparatus or system or captur\$4 or tak\$3 or pick\$1up)))) and barrel same (lens or optic\$3) and (plate or washer or separator or spacer) and (hole or trthough\$1hole) and (hold\$3 or mount\$4) and (substrate or board or pcb or fpcb or chip) and filter).clm.	US-PGPUB; USPAT	OR	ON	2008/02/02 16:09
L44	848	tuan with ho.xp.	US-PGPUB; USPAT	OR	ON	2008/02/02 16:23

EAST Search History

L45	965	348/373.ccls.	US-PGPUB; USPAT	OR	ON	2008/02/02 16:23
L46	847	348/335.ccls.	US-PGPUB; USPAT	OR	ON	2008/02/02 16:23
L47	534	348/65.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 16:25
L48	420	359/809.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 16:25
L49	264	359/808.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 16:25
S1	8	"6392703"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/18 15:12
S2	6	"6392703".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/18 16:06
S3	852	348/373.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:04
S4	552	348/345.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:04
S5	440	348/340.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:04

EAST Search History

S6	35	("20020008920" "20020027721" "4037938" "5157550" "5570229" "5973858" "6104432" "6124984" "6124987" "6185048" "6308011" "6331917" "6339508" "6349002" "6414791").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/18 16:15
S7	10	("6339508").URPN.	USPAT	OR	OFF	2006/09/18 16:16
S8	13	("20030161620" "20040105020" "3649101" "4810072" "5570229" "5668668" "6016228" "6088169" "6124987" "6185048" "6308011" "6339508" "6754446").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 11:05
S9	2	("6392703").URPN.	USPAT	OR	OFF	2006/09/19 11:06
S10	12	("4317029" "4369459" "4809680" "4997698" "5130804" "5301042" "5302778" "5337475" "5400072" "5543837" "5825560" "5984188").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 11:06
S11	31	("5302778").URPN.	USPAT	OR	OFF	2006/09/19 11:07
S12	8	("4074306" "4516157" "4745470" "4831456" "4832003" "4918521" "4992875" "5040069").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:03
S13	17	("4594613" "4745470" "4757805").PN. OR ("5040069").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:07
S14	5	("4870496" "5040069" "5220198" "5861654" "6122009").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:10
S15	30	("4893163" "4940888" "5011256" "5065226" "5122861" "5130531" "5132532" "5408131" "5525840" "5536974").PN. OR ("5861654").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:11
S16	17	("4594613" "4745470" "4757805").PN. OR ("5040069").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:15
S17	9	("3757127" "4113354" "4594613" "4682219" "4692608" "4745470" "4773396" "5021888" "5040069").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:16
S18	14	("4317029" "4369459" "4809680" "4997698" "5130804" "5301042" "5302778" "5337475" "5400072" "5543837" "5825560" "5984188").PN. OR ("6392703").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:18

EAST Search History

S19	15	("4594613" "5040069" "5072283" "5087964" "5596229" "5861654" "5870638" "5952714" "6035147" "6204896" "6362921" "6392703" "6528778" "6628339" "6693674").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:18
S20	27	("4760440" "4873566" "4879588" "4891686" "4953001" "4985753" "4990719").PN. OR ("5087964").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:23
S21	39	("3593070" "4326214" "4406054" "4482781").PN. OR ("4760440").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:46
S22	67	lens near4 barrel with washer	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:47
S23	107	lens near4 barrel with washer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/19 14:47
S24	0	lens near4 barrel with washer with substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/19 14:48
S25	0	lens near4 barrel with washer same substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 12:48
S26	14	lens near4 barrel with washer and substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 12:48
S27	434	lens near4 barrel with (washer or plate) and substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:35

EAST Search History

S28	236	S27 and (@rlad<"19990903" or @ad<"19990903")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/19 15:13
S29	8	camera and (lens near3 (mount or tructure or barrel)) with (washer or plate) with substrate and (@rlad<"19990903" or @ad<"19990903")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/19 14:55
S30	89	camera and (lens near3 (mount or tructure or barrel)) with (washer or plate) with (substrate or board) and (@rlad<"19990903" or @ad<"19990903")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/19 14:58
S31	539	camera and ((lens near3 (mount or tructure or barrel)) or lens) with (washer or plate) with (substrate or board) and (@rlad<"19990903" or @ad<"19990903")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/19 15:07
S32	249	camera and ((lens near3 (mount or tructure or barrel)) or lens) with (washer or plate) with (substrate) and (@rlad<"19990903" or @ad<"19990903")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/19 15:08
S33	814	438/121.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:32
S34	249	S32 and (@rlad<"19990903" or @ad<"19990903")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 12:49
S35	369	S33 and (@rlad<"19990903" or @ad<"19990903")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/19 15:12

EAST Search History

S36	5184	(substrate or circuit adj board) with (lens or (lens adj (support or mount or barrel))) with (plate or washer or separat\$4 or adapter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/19 15:13
S37	2469	S36 and (@rlad<"19990903" or @ad<"19990903")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/19 15:14
S38	441	S37 and camera	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/19 15:16
S39	462	S37 and camera	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/19 15:14
S40	63	S37 and (electronic or digital) near2 camera	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:05
S41	751	S37 and (ccd or sensor or imager)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/19 15:17
S42	17	("4074306" "4516157" "4745470" "4831456" "4832003" "4918521" "4992875" "5040069").PN. OR ("5130804").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 15:19
S43	7	("4636627" "5091793" "5130804" "5444485" "5517364" "5825560").PN. OR ("6392688").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 16:05
S44	18	("5418566" "5561458" "5617131" "5777335" "5847887" "6011860" "6122009" "6172351" "6172361" "6187522" "6369435" "6512219" "6571466" "6603107" "6724503" "6727564" "6745061" "6768516").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 16:05

EAST Search History

S45	4	("4594613" "5040069" "5418566" "5847887").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 17:19
S46	734	348/294.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/02 13:32
S47	444	348/340.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/22 17:40
S48	758	348/335.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/02 13:32
S49	342	348/374.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/02 13:32
S50	879	348/373.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 18:11
S51	24	((kazuhiro with hoshino) or (hirofuni with sumi) or (kazuya with kanagawa)).in.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 18:12
S52	138	((kazuhiro with hoshino) or (hirofuni with sumi) or (kazuya with kanagawa)).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/19 18:12

EAST Search History

S53	551	(US-20030016284-\$ or US-20040080642-\$ or US-20040056971-\$ or US-20070070511-\$ or US-20070070228-\$ or US-20070069395-\$ or US-20070069105-\$ or US-20070065128-\$ or US-20070057150-\$ or US-20070057148-\$ or US-20070054419-\$ or US-20070053685-\$ or US-20070047952-\$ or US-20070047109-\$ or US-20070045551-\$ or US-20070045550-\$ or US-20070040932-\$ or US-20070035785-\$ or US-20070034782-\$ or US-20070029466-\$ or US-20070025715-\$ or US-20070019950-\$ or US-20070019102-\$ or US-20070019101-\$ or US-20060268157-\$ or US-20060266835-\$).did. or (US-20060257131-\$ or US-20060252246-\$ or US-20060244859-\$ or US-20060243884-\$ or US-20060239671-\$ or US-20060140609-\$ or US-20060231750-\$ or US-20060228103-\$ or US-20060228099-\$ or US-20060227236-\$ or US-20060221469-\$ or US-20060219862-\$ or US-20060209365-\$ or US-20060209205-\$ or US-20060204243-\$ or US-20060203875-\$ or US-20060203095-\$ or US-20060202318-\$ or US-20060197862-\$ or US-20060189216-\$ or US-20060189183-\$ or US-20060187337-\$ or US-20060181633-\$ or US-20060171701-\$ or US-20060171698-\$ or US-20060170814-\$ or US-20060164539-\$).did. or (US-20060163461-\$ or US-20060152826-\$ or US-20060152614-\$ or US-20060152576-\$ or US-20060141226-\$ or US-20060140450-\$ or	US-PGPUB; OR USPAT	OFF	2007/05/19 13:15
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EAST Search History

S54	37	("4266090" "4404582" "4412093" "4427991" "4442456" "4457017").PN. OR ("4594613").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/19 13:16
S55	14	("4134129" "4385325" "4594613" "4734778" "4803557" "4830985" "5032898" "5047835" "5097274" "5140150" "5291010").PN. OR ("5731834").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/19 13:19
S56	4	("4862208" "5502598" "6249653" "6341902").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/19 13:21
S57	12	("4594613" "5302778" "5359190" "5673083" "5821532" "5828409" "5861654").PN. OR ("6693674").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/19 13:22
S58	4	("4594613" "5040069" "5418566" "5847887").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/19 13:24
S59	2	"6109464"	JPO; DERWENT	OR	OFF	2007/05/19 13:25
S60	0	6-109464	JPO; DERWENT	OR	OFF	2007/05/19 13:25
S61	0	06-109464	JPO; DERWENT	OR	OFF	2007/05/19 13:25
S62	1	"06109464"	JPO; DERWENT	OR	OFF	2007/05/19 13:26
S63	2	"06275855"	JPO; DERWENT	OR	OFF	2007/05/19 13:26
S64	0	11-76156	JPO; DERWENT	OR	OFF	2007/05/19 13:26
S65	6	"1176156"	JPO; DERWENT	OR	OFF	2007/05/19 13:26
S66	0	"11-076156"	JPO; DERWENT	OR	OFF	2007/05/19 13:26
S67	0	11-076156	JPO; DERWENT	OR	OFF	2007/05/19 13:27
S68	2	"11076156"	JPO; DERWENT	OR	OFF	2007/05/19 13:27
S69	17	("4785338" "4896217" "5077784" "5087964" "5122861" "5150180" "5523608" "5763943" "5783815" "5940126").PN. OR ("6795120").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/19 13:32

EAST Search History

S70	70	S53 and @ad<"19990903"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/19 13:39
S71	300923	((solid near4 state near4 (imag\$4 near4 (device or apparatus or pick\$4-up or captur\$4 or sens\$4 or detect\$4))) or imager or ccd or sensor) and @ad<"19990903"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/02 12:49
S72	7560	S71 and plate near4 metal	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/19 13:42
S73	470	S72 and lens and substrate	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/19 13:43
S74	216	S72 and lens and substrate with plate	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/19 13:43
S75	81	("4321747" "4479298" "4776088" "4924297" "5109269" "5298742" "5406454" "5418691" "5468996" "5530291" "5532519").PN. OR ("5821532").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/19 13:50
S76	72	(tomita with yoshihiro).in.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/19 13:51
S77	487	(tomita with yoshihiro).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/19 13:59
S78	2	"4594613".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/19 13:59
S79	10095	((solid near4 state near4 (imag\$4 near4 (device or apparatus or pick\$4-up or captur\$4 or sens\$4 or detect\$4))) or imager or ccd or sensor) and @ad<"19990903" and metal\$4 near4 (plate or spacer or washer or reinforc\$5 or strenght\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/19 14:32

EAST Search History

S80	1203	((solid near4 state near4 (imag\$4 near4 (device or apparatus or pick\$4-up or captur\$4 or sens\$4 or detect\$4))) or imager or ccd) and @ad<"19990903" and metal\$4 near4 (plate or spacer or washer or reinforc\$5 or strenght\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/19 14:05
S81	186	((solid near4 state near4 (imag\$4 near4 (device or apparatus or pick\$4-up or captur\$4 or sens\$4 or detect\$4))) or imager or ccd) and @ad<"19990903" and metal\$4 near4 (plate or spacer or washer or reinforc\$5 or strenght\$4) with (cb or board or substrate)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/19 14:15
S82	1	"5130804".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/19 14:16
S83	20	((solid near4 state near4 (imag\$4 near4 (device or apparatus or pick\$4-up or captur\$4 or sens\$4 or detect\$4))) or imager or ccd or sensor) and @ad<"19990903" and metal\$4 near1 (plate or spacer or washer or reinforc\$5 or strenght\$4) with (strong\$4 or strenght or reinforc\$4 or protect\$4) with (board or sunstrate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:33
S84	4	((solid near4 state near4 (imag\$4 near4 (device or apparatus or pick\$4-up or captur\$4 or sens\$4 or detect\$4))) or imager or ccd or sensor) and @ad<"19990903" and metal\$4 near1 (plate or spacer or washer or reinforc\$5 or strenght\$4) with (lens\$3 or optic\$4) with (board or sunstrate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/19 15:31
S85	52	@ad<"19990903" and metal\$4 near1 (plate or spacer or washer or reinforc\$5 or strenght\$4) with (lens\$3 or optic\$4) with (board or sunstrate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/19 14:53
S86	1	@ad<"19990903" and metal\$4 near4 (plate or spacer or washer or reinforc\$5 or strenght\$4) with (lens\$3 or optic\$4) with (board or sunstrate) with (sensor or ccd or imager)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/19 14:54

EAST Search History

S87	23	@ad<"19990903" and metal\$4 near4 (plate or spacer or washer or reinforc\$5 or strenght\$4) and plate with (lens\$3 or optic\$4) with (board or sunstrate) with (sensor or ccd or imager)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/19 14:55
S88	80	@ad<"19990903" and metal\$4 near4 (plate or spacer or washer or reinforc\$5 or strenght\$4) and plate with (lens\$3 or optic\$4) with (board or sunstrate) and (sensor or ccd or imager)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/19 14:59
S89	63	@ad<"19990903" and lens with (spacer or washer or plate) with metal\$4 with substrate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/19 15:06
S90	23	@rlad<"19990903" and lens with (spacer or washer or plate) with metal\$4 with substrate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/19 15:19
S91	102	@ad<"19990903" and lens with (spacer or washer or plate) with substrate with (sensor or ccd or imager or (solid near4 state near4 device))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/19 15:16
S92	10	("5233382").URPN.	USPAT	OR	OFF	2007/05/19 15:17
S93	2058	@rlad<"19990903" and plate near4 metal\$4 with metal\$4 with substrate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/19 15:20
S94	70	@rlad<"19990903" and plate near4 metal\$4 with metal\$4 with substrate with (strong\$4 or reinforc\$4 or strength\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/19 15:20

EAST Search History

S95	143	@rlad<"19990903" and plate near4 metal\$4 with metal\$4 with substrate with (strong\$4 or reinforc\$4 or strength\$4 or rigid\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/19 15:23
S96	42	S95 and imag\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/19 15:24
S97	13	((solid near4 state near4 (imag\$4 near4 (device or apparatus or pick\$4-up or captur\$4 or sens\$4 or detect\$4))) or imager or ccd or sensor) and metal\$4 near1 (plate or spacer or washer or reinforc\$5 or strenght\$4) with (lens\$3 or optic\$4) with (board or sunstrate) with lens	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 12:08
S98	6752	((wir\$3 or circuit) near2 board) or substrate) with (plate or washer or spacer) with (sensor or imager or ccd or (solid near2 state near3 device))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 12:09
S99	2464	((wir\$3 or circuit) near2 board) or substrate) with (plate or washer or spacer) with (sensor or imager or ccd or (solid near2 state near3 device)) and imag\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 12:11
S10 0	996	S99 and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 12:13
S10 1	130	((wir\$3 or circuit) near2 board) or substrate) with (plate or washer or spacer) near4 (metal\$4 or alumin\$4 or stainless or iron or copper or gold) with (sensor or imager or ccd or (solid near2 state near3 device)) and imag\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 12:12

EAST Search History

S10 2	46	S101 and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 16:12
S10 3	24	lens near3 (holder or mount\$4) with (metal or alumin\$4 or copper or gold or stainless) near4 (washer or plate or spacer or separat\$4) with (substrate or board)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 12:32
S10 4	20	lens near3 (holder or mount\$4) with (washer or plate or spacer or separat\$4) with (substrate or board) with (reinforc\$4 or strength\$4 or rigid or crack or fisure or protect\$4 or hard\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 12:38
S10 5	2	11/376249	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 12:40
S10 6	29	("20010030276" "20010050717" "4634884" "5021888" "5424531" "5748448" "5786589" "6043482" "6160967" "6417885" "6483101" "6528778" "6654064" "6727564").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 12:40
S10 7	6	("20010055073" "4634884" "5172304" "6433414" "6444487" "6476417").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/21 12:40
S10 8	22	("4457017" "4581657" "4594613" "5153734" "5559556" "5739853" "5748448" "5753908" "5825560" "5828409" "5835142" "5894368" "5998786" "6072126" "6285400").PN. OR ("6654064").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/21 14:40
S10 9	68	flip\$4chip near4 sensor and image	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/02 14:50

EAST Search History

S11 0	20	("20010035576" "20010050721" "20020110949" "5113290" "5400072" "5821532" "5861654" "5865935" "5912774" "5990552" "5998878" "6037641" "6075237" "6133569" "6144031" "6147389" "6303978" "6389687" "6518656" "6571466").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/21 14:46
S11 1	11	("20010012098" "4560273" "5153734" "5609561" "5673083" "5699073" "6025873" "6072232" "6084238" "6203222" "6326602").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/21 14:46
S11 2	4	("4926227" "5122561" "5359208" "5867368").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/21 14:54
S11 3	75	("4663652" "4760440" "5118370" "5200631" "5331512" "5357056" "5478007" "5495450" "5753857" "5786589").PN. OR ("5867368").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/21 14:58
S11 4	67	("4888634" "4902108" "5051802" "5148306" "5149958" "5302818" "5693967" "5814870" "5821615" "5861654" "5867368" "5869855" "5998862").PN. OR ("6130448").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/21 15:04
S11 5	33	("5786589").URPN.	USPAT	OR	OFF	2007/05/21 15:16
S11 6	28	("5357056").URPN.	USPAT	OR	OFF	2007/05/21 15:36
S11 7	0	10/660649	USPAT	OR	OFF	2007/05/21 15:36
S11 8	6	("20020057468" "6507443" "6759642").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/21 15:37
S11 9	14	("20010030276" "20010050717" "20020044213" "5021888" "5424531" "5748448" "5786589" "6043482" "6160967" "6417885" "6483101" "6528778" "6654064" "6727564").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/21 15:44

EAST Search History

S12 0	4	"06001970"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/21 15:44
S12 1	0	06-001970	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/21 15:45
S12 2	0	6-001970	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/21 15:45
S12 3	28	6-1970	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/21 15:45
S12 4	159	(KAWABE with KAZUNARI TANAKA with KAZUTOSHI ANDO with SHOICHI).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/21 15:46
S12 5	20	("20010035576" "20010050721" "20020110949" "5113290" "5400072" "5821532" "5861654" "5865935" "5912774" "5990552" "5998878" "6037641" "6075237" "6133569" "6144031" "6147389" "6303978" "6389687" "6518656" "6571466").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/21 16:02
S12 6	1	("5113290").URPN.	USPAT	OR	OFF	2007/05/21 16:03
S12 7	12	("3246563" "3558220" "3740114" "4055761" "4116529" "4215916" "4640579" "4718750" "4818067" "4923281").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/21 16:06

EAST Search History

S12 8	98	solid near3 state near3 device with lens with barrel	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/02 14:41
S12 9	249	((solid near4 state near4 device) or ccd or imager or sensor) same lens with barrel same substrate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 16:13
S13 0	64	S129 and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 16:14
S13 1	841	((solid near4 state near4 device) or ccd or imager or sensor) same lens with barrel with focus\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 16:16
S13 2	288	S131 and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 16:16
S13 3	696	((solid near4 state near4 device) or ccd or imager or sensor) same lens with barrel with mov\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 16:25
S13 4	221	S133 and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 16:18
S13 5	5	("5444485" "5627589" "5673083" "5731834" "5765060").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/21 16:24

EAST Search History

S13 6	235	((solid near4 state near4 device) or ccd or imager or sensor) and lens with barrel with mov\$3 and barrel with (board or substrate) and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 16:34
S13 7	163	S136 not tsikos.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 16:27
S13 8	163	S136 not tsikos.in. not "knowles.in"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 16:27
S13 9	150	S136 not tsikos.in. not knowles.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 17:06
S14 0	945	((solid near4 state near4 device) or ccd or imager or sensor) and lens with barrel with mov\$3 and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 16:45
S14 1	30	("4518864" "4554585" "4691244").PN. OR ("4896217").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/21 16:35

EAST Search History

S14 2	98	("20030137595" "3018689" "3880528" "4055761" "4210922" "4293190" "4390220" "4433886" "4491865" "4582350" "4744009" "4801998" "4843313" "4896217" "4936784" "4971930" "4980635" "4999142" "5001315" "5023442" "5037187" "5068713" "5122861" "5191481" "5220198" "5274456" "5365101" "5383034" "5400072" "5412229" "5424531" "5434682" "5436492" "5444520" "5463229" "5489995" "5523608" "5570204" "5579164" "5581094" "5590787" "5604362" "5615052" "5617131" "5655189" "5672902" "5692083" "5764424" "5783815" "5801374" "5804827" "5811799" "5818634" "5821532" "5825033" "5825560" "5825954" "5861654" "5867368" "5902993" "5932875" "5949655" "5998878" "6011294" "6011661" "6020582" "6037655" "6060722" "6072232" "6122009" "6130448" "6134057" "6147389" "6153927" "6184514" "6188841" "6236046" "6243540" "6266197" "6270222" "6384397" "6384472" "6389687" "6392703" "6392827" "6455774" "6483030" "6483101" "6498624" "6518656" "6526653" "6627864" "6627872" "6686588" "6762796" "6767753" "6867438").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/21 16:36
S14 3	21	("5400072").URPN.	USPAT	OR	OFF	2007/05/21 16:39
S14 4	15	("20030137595" "3620149" "4055761" "5302778" "5359190" "5371397" "5400072" "5400073" "5587832" "5600486" "5821532" "6122009" "6130448" "6266197").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/21 16:40
S14 5	5	("2918584" "3215850" "3880528").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/21 16:41
S14 6	36	("4055761").URPN.	USPAT	OR	OFF	2007/05/21 16:42

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	970	348/373.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 15:19
L2	677	348/345.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:04
L3	571	348/340.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:28
L4	6205	(substrate or circuit adj board) with (lens or (lens adj (support or mount or barrel))) with (plate or washer or separat\$4 or adapter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:05
L5	2483	L4 and (@rlad<"19990903" or @ad<"19990903")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:05
L6	64	L5 and (electronic or digital) near2 camera	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:05
L7	2	09/732925	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:28
L8	894	348/335.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/02 13:32
L9	919	348/294.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/02 13:32

EAST Search History

L10	886	438/121.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:32
L11	420	348/374.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/02 13:32
L12	42	((solid near4 state near4 (imag\$4 near4 (device or apparatus or pick\$4-up or captur\$4 or sens\$4 or detect\$4))) or imager or ccd or sensor) and @ad<"19990903" and metal\$4 near1 (plate or spacer or washer or reinforc\$5 or strenght\$4) with (strong\$4 or strenght or reinforc\$4 or protect\$4) with (board or substrate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:35
L13	529	lens near4 barrel with (washer or plate) and substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:39
L14	295	348/371.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:39
L15	339	348/370.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:40
L16	573	348/340.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 16:24
L17	988	257/730.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:44

EAST Search History

L18	741	257/684.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:44
L19	1112	257/719.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:44
L20	300	257/708.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:44
L21	179	257/709.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:44
L22	199	257/711.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:44
L23	2045	257/700.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:45
L24	789	438/121.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:45
L25	295	359/809.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:45
L26	177	600/159.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 13:45
L27	113	solid near3 state near3 device with lens with barrel	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/02 14:45

EAST Search History

L28	161	lens near3 barrel with mov\$3 and barrel with substrate and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT	OR	ON	2008/02/02 14:49
L29	82	flip\$4chip near4 sensor and image	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/02 14:50
L30	107	flip\$4chip near4 sensor and image	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 14:51
L31	381	((kazuhiro with hoshino) or (hirofumi with sumi) or (kazuya with yonemoto)).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 14:54
L32	7	("4418284" "4523102" "5138145" "5867368" "6172361" "6266197" "6342406").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/02 14:56
L33	250	camera and ((lens near3 (mount or tructure or barrel)) or lens) with (washer or plate) with (substrate) and (@rlad<"19990903" or @ad<"19990903")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 14:59
L34	250	camera and ((lens near3 (mount or tructure or barrel)) or lens) with (washer or plate) with (substrate) and (@rlad<"19990903" or @ad<"19990903")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 14:59
L35	250	L34 and (@rlad<"19990903" or @ad<"19990903")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 14:59
L36	11106	1 2 3 8 9 10 11 14 15 16 17 18 19 20 21 22 23 24 25 26	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 15:20

EAST Search History

L37	663	36 and barrel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 15:29
L38	1192	36 and (board or substrate) with plate	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 15:29
L39	78	36 and (board or substrate) with plate with (imager or ccd or sensor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 15:29
L41	0	((sens\$3 or photo\$1detect\$4 or ccd or imager or ((imag\$3 or light) near2 (receiv\$3 or device or apparatus or system or captur\$4 or tak\$3 or pick\$1up)))) same barrel same (lens or optic\$3) same (plate or washer or separator or spacer) same (hole or trthough\$1hole) same (hold\$3 or mount\$4) same (substrate or board or pcb or fpcb or chip) same filter).clm.	US-PGPUB; USPAT	OR	ON	2008/02/02 15:40
L42	0	((sens\$3 or photo\$1detect\$4 or ccd or imager or ((imag\$3 or light) with (receiv\$3 or device or apparatus or system or captur\$4 or tak\$3 or pick\$1up)))) same barrel same (lens or optic\$3) same (plate or washer or separator or spacer) same (hole or trthough\$1hole) same (hold\$3 or mount\$4) same (substrate or board or pcb or fpcb or chip) same filter).clm.	US-PGPUB; USPAT	OR	ON	2008/02/02 15:40
L43	3	((sens\$3 or photo\$1detect\$4 or ccd or imager or ((imag\$3 or light) with (receiv\$3 or device or apparatus or system or captur\$4 or tak\$3 or pick\$1up)))) and barrel same (lens or optic\$3) and (plate or washer or separator or spacer) and (hole or trthough\$1hole) and (hold\$3 or mount\$4) and (substrate or board or pcb or fpcb or chip) and filter).clm.	US-PGPUB; USPAT	OR	ON	2008/02/02 16:09
L44	848	tuan with ho.xp.	US-PGPUB; USPAT	OR	ON	2008/02/02 16:23

EAST Search History

L45	965	348/373.ccls.	US-PGPUB; USPAT	OR	ON	2008/02/02 16:23
L46	847	348/335.ccls.	US-PGPUB; USPAT	OR	ON	2008/02/02 16:23
L47	534	348/65.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 16:25
L48	420	359/809.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 16:25
L49	264	359/808.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 16:25
S1	8	"6392703"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/18 15:12
S2	6	"6392703".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/18 16:06
S3	852	348/373.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:04
S4	552	348/345.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:04
S5	440	348/340.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:04

EAST Search History

S6	35	("20020008920" "20020027721" "4037938" "5157550" "5570229" "5973858" "6104432" "6124984" "6124987" "6185048" "6308011" "6331917" "6339508" "6349002" "6414791").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/18 16:15
S7	10	("6339508").URPN.	USPAT	OR	OFF	2006/09/18 16:16
S8	13	("20030161620" "20040105020" "3649101" "4810072" "5570229" "5668668" "6016228" "6088169" "6124987" "6185048" "6308011" "6339508" "6754446").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 11:05
S9	2	("6392703").URPN.	USPAT	OR	OFF	2006/09/19 11:06
S10	12	("4317029" "4369459" "4809680" "4997698" "5130804" "5301042" "5302778" "5337475" "5400072" "5543837" "5825560" "5984188").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 11:06
S11	31	("5302778").URPN.	USPAT	OR	OFF	2006/09/19 11:07
S12	8	("4074306" "4516157" "4745470" "4831456" "4832003" "4918521" "4992875" "5040069").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:03
S13	17	("4594613" "4745470" "4757805").PN. OR ("5040069").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:07
S14	5	("4870496" "5040069" "5220198" "5861654" "6122009").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:10
S15	30	("4893163" "4940888" "5011256" "5065226" "5122861" "5130531" "5132532" "5408131" "5525840" "5536974").PN. OR ("5861654").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:11
S16	17	("4594613" "4745470" "4757805").PN. OR ("5040069").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:15
S17	9	("3757127" "4113354" "4594613" "4682219" "4692608" "4745470" "4773396" "5021888" "5040069").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:16
S18	14	("4317029" "4369459" "4809680" "4997698" "5130804" "5301042" "5302778" "5337475" "5400072" "5543837" "5825560" "5984188").PN. OR ("6392703").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:18

EAST Search History

S19	15	("4594613" "5040069" "5072283" "5087964" "5596229" "5861654" "5870638" "5952714" "6035147" "6204896" "6362921" "6392703" "6528778" "6628339" "6693674").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:18
S20	27	("4760440" "4873566" "4879588" "4891686" "4953001" "4985753" "4990719").PN. OR ("5087964").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:23
S21	39	("3593070" "4326214" "4406054" "4482781").PN. OR ("4760440").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:46
S22	67	lens near4 barrel with washer	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 14:47
S23	107	lens near4 barrel with washer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/19 14:47
S24	0	lens near4 barrel with washer with substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/19 14:48
S25	0	lens near4 barrel with washer same substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 12:48
S26	14	lens near4 barrel with washer and substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 12:48
S27	434	lens near4 barrel with (washer or plate) and substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 13:35